#6

Biedermann et al. SN 09/595,218 Atty. Dkt. No. 69053 CYCLIC IMIDE-SUBSTITUTED TEL/JPK PYRIDYLALKANE, ALKENE AND ALKINE 12/28/2000 CARBOXAMIDES USEFUL AS CYTOSTATIC AND IMMUNOSUPPRESSIVE AGENTS

Enclosed herewith please find:

- 1. INFORMATION DISCLOSURE STATEMENT
- 2. 4 U.S. PATENTS, 33 FOREIGN PATENTS, 9 REFERENCES

Hon. Commissioner of Patents and Trademarks Sir:

Please acknowledge receipt of the above-identified documents by applying the Patent and Trademark Office receipt stamp hereto and mailing this card.

Respectfully,

FITCH, EVEN, TABIN & FLANNERY

FITCH, EVEN, TABIN & FLANNERY 120 South LaSalle Street, Suite 1600 CHICAGO, ILLINOIS 60603-3406

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Biedermann et al.

Serial No.: 09/595,218

Filed:

June 16, 2000

Title:

Cyclic Imide-Substituted

Alkine Carboxamides

Useful As Cytostatic and Immunosuppressive Agents

Group Art Unit:

Examiner:

) CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope) addressed to: Commissioner of Pyridylalkane, Alkene and) Patents and Trademarks, Washington, D.C. 20231, on this

date.

Date James P. Krueger

12/28/00

Registration No. 35,234 Attorney for Applicant(s)

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

Dear Sir:

This is an Information Disclosure Statement being submitted pursuant to the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§ 1.97-1.98, in connection with the above-specified application. Submitted herewith is PTO form 1449 along with copies of the references cited therein.

U.S PATENTS

Patent No.	<u>Patentee</u>	Issue	e Dat	<u>:e</u>
5,326,772	Klemm et al.	Jul.	5,	1994
5,260,323	Baader et al.	Nov.	9,	1993
5,169,856	Goto et al.	Dec.	8,	1992
4;283,541	Shroff et al.	Aug.	11,	1981

FOREIGN PATENT DOCUMENTS

Doc	ument No.	<u>Publication Date</u>
CA	2,085,954	6/25/93
DE	4020570	1/2/92
ΕP	548883	6/30/93
EP	530444	3/10/93
EP	522606	1/13/93
ΕP	512902	4/5/94
EР	428434	5/31/94
EР	479601	4/8/92
ΕP	471236	2/19/92
ΕP	416581	3/13/91
EР	343307	11/29/89
EР	330026	8/30/89
ΕP	271023	6/15/88
ΕP	210782	2/4/87
ΕP	048045	3/24/82
GB	2304714	11/3/98
JP6	3179869	7/23/88
JP5	57136518	8/23/82
WOS	97/48695	1/08/98
WOS	97/48397	12/24/97
WOS	96/31478	10/10/96
WOS	96/31477	1/27/98
WOS	94/01402	3/18/97
OW	93/13083	4/22/97
WOS	93/14070	9/24/96
WO	95/24894	9/21/95
WO	95/10516	4/20/95
WO	95/10515	4/20/95
WO:	95/10514	4/20/95

Atty. Dkt. No. 69053

SN 09/595,218

WO93/14113 7/22/93 WO91/15485 10/17/91 WO91/15484 10/17/91 WO89/07443 8/24/89

OTHER REFERENCES

Allgemeine Pathologie und Pathologische Anatomie

Chemical Abstracts, vol. 124, No. 13, 1996

Chemical Abstracts, vol. 115, 1994

Chemcial Abstracts, vol. 114, 1991

Nishikawa et al., "Acrylamide Derivatives as Antiallergic Agents. 2. Synthesis and Structure-Activity Relationships of N-[4-[4-(Diphenylmethyl)-1-piperazinyl]butyl]-3-(3-pyridyl)acrylamides" Chem. Pharm. Bull. 37(1) 100-105 (1989).

Nishikawa et al., "Acrylamide Derivatives as Antiallergic Agents. 2. Synthesis and Structure-Activity Relationships of N-[4-[4-(Diphenylmethyl)-1-piperazinyl]butyl]-3-(3-pyridyl)acrylamides" J. Med. Chem. 1989, 32, 583-593.

Ishihara et al., "Central Cholinergic Agents. II. Synthesis and Acetylcholinesterase Inhibitory Activities of N-[w-N-Alkyl-N-(phenylmethyl)] amino] alkyl] -3-arylpropenamides" Chem. Pharm. Bull. 39(12) 3236-3234 (1991).

Ross, "The Preparation of Some 4-Substituted Nicotinic Acids and Nicotinamides" J. Chem. Soc. (C), 1966, 1816-1820.

Rote Liste, 1997

Atty. Dkt. No. 69053

SN 09/595,218

The Commissioner is hereby authorized to charge any additional fees which may be required in this application to Deposit Account No. 06-1135.

Respectfully submitted,
FITCH, EVEN, TABIN & FLANNERY

By: Clam P. Km

James P. Krueger Registration No. 35,234

Dec 28 2000

120 South LaSalle St., Suite 1600

Chicago, Illinois 60603-3406 Telephone: (31.2) 577-7000 Telefax: (312) 577-7007

Sheet 2 of 3

Form PTO-1449						Docket Number Application Number 69053 09/595,218							
INF		TION D			CITATION	Applicant Biedermann et al.							
	(Use several sheets if necessary)						Date 16, 2000		Group Art	Uniț			
					U. S. PATENT	DOCU	MENTS						
EXAMINER	(OCUME	NT NUM	BER	DATE		NAME	CLASS	SUB CLASS		G DATE PROP.		
INITIAL				1									
					FOREIGN PATE	NT DO	CUMENTS						
		2001145	NIT NII INA	DED	DATE		COUNTRY	CLASS	SUB		slation		
	1	OOCUME	NI NUM	BER	DATE			32.33	CLASS	Yes	No		
	3433	307			11/29/89	EP			`				
	3300	26			8/30/89	EP							
	2710	23			6/15/88	EP							
	210	782			2/4/87	EP							
	0480	45			3/24/82	EP							
	2304	1714			11/3/98	GB							
	631	79869			7/23/88	JР							
	571	36518			8/23/82	JP							
	W09	7/486	95		1/8/98								
	W09	7/483	97		12/24/97				<u> </u>	ļ			
	WO,9	5/314	78		10/10/96								
			ОТН	ER DO	CUMENTS (Includin	g Author	, Title, Date, Pertinent f	Pages, Etc.)					
	Che	mcial	Abs	tract	s, vol. 114	, 19	91		***				
			· _						·····				
	Nis	hikaw Synth	a et esis	al., and	"Acrylamide Structure-Ac	e Der ctivi	ivatives as ty Relation	Antiall ships of	ergic N-[4	Age - [4-	nts.		
	(Di Che	pheny m. Ph	lmet	hyl)- Bull	1-piperaziny . 37(1) 100	/l]bu -105	ityl]-3-(3-p (1989).	yridyl)a	acryla	mide	s"		
	Nis 2.	hikaw Synth	a et nesis	al., and	"Acrylamide Structure-Ac	e Der ctivi	rivatives as ty Relation	Antiall ships of	ergic N-[4	Age - [4-	nts.		
	(Di J.	pheny Med.	lmet Chem	hyl)- . 198	1-piperaziny 9, 32, 583-	yl]bu 593.	ityl]-3-(3-p	yridyl)a	acryla	mide	s"		
EXAMINER								DATE O	CONSIDERE	D			
EXAMINER:	Initial if	citation co	onsidered	, whether	or not citation is in con	formance	with MPEP § 609; Dra	w line through	citation if no	t in con	formance		

H

Sheet 1 of 2

Form PTO-1449 INFORMATION DISCLOSURE CITATION									Docket Number 69053	Application Number 09/595,218				
INF	ORI					SURE CATIO		TATION	Applicant Biedermann et al.					
(Use several sheets if necessary)									Filing Date June 16, 2000		Group Art Unit			
								U. S. PATENT	DOCUMENTS					
EXAMINER INITIAL		DC	CUM	ENT	NUN	/BER		DATE	NAME	CLASS	SUB CLASS	G DATI		
	5	3	2	6	7	7	2	7/5/94	Klemm et al.	514	318			
	5	2	6	0	3	2	3	11/9/93	Baader et al.	514	356			
	5	1	6	9	8	5	6	12/8/92	Goto et al.	514	331			
	4	2	8	3	5	4	1	8/11/81	Shroff et al.	546	336			
							F	OREIGN PATE	NT DOCUMENTS					
	DOCUMENT NUMBER					MBER		DATE	COUNTRY	CLASS	SUB CLASS	Trar Yes	slation No	
	2,085,954							6/25/93	CA					
	4020570							1/2/92	DE	•				
	548883							6/30/93	EP					
	530444							3/10/93	EP					
	522606							1/13/93	EP					
	512902							4/5/94	EP		<u> </u>			
	42	2843	34					5/31/94	EP			ļ		
	47	7960)1					4/8/92	EP					
	47	7123	36					2/19/92	EP					
	4:	1658	31					3/13/91	EP					
								OTHER D	OCUMENTS (Including A	uthor, Title, Da	ite, Pertiner	nt Pages	, Etc.)	
	A.	llge	eme:	ine	F	atho	ilog	gie und Pat	chologische Anato	omie				
	Cl	nem:	ica	1 A	bs	strac	cts	, vol. 12	4, No. 13, 1996					
	Chemical Abstracts, vol. 115, 1994													
EXAMINER									DATE C	DATE CONSIDERED				

Sheet 3 of 4

Form PTO-14	49		Docket Number 69053 Application Number 09/595,218							
INFO	RMATION DISCLOSURE CITION AN APPLICATION	TATION	Applicant Biedermann et al.							
	(Use several sheets if necessary)		Filing Date June 16, 2000		Group Ar	t Unit	it			
		U. S. PATEN	T DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	ING F P.				
						<u> </u>				
		FOREIGN PATE	NT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB	Transla				
	DOCUMENT NUMBER	DATE	COONTRI	CHASS	CLASS	Yes	No			
	WO96/31477	1/27/98								
	WO94/01402	3/18/97								
	WO93/13083	4/22/97								
	WO93/14070	9/24/96		ļ						
	WO95/24894	9/21/95								
·	WO95/10516	4/20/95					<u> </u>			
OTHER DO	CUMENTS (Including)	Author, Tit	le, Date, Per	tinent 1	Pages, E	tc.)				
	Ishihara et al., "Central Cholinergic Agents. II. Synthesis an Acetylcholinesterase Inhibitory Activities of N-[w-[N-Alkyl-N-									
	(phenylmethyl)amino]alkyl]-3-arylpropenamides" Chem. Pharm. Bull. 39(12) 3236-3234 (1991).									
	Ross, "The Preparation of Some 4-Substituted Nicotinic Acids and									
	Nicotinamides" J. Chem. Soc. (C), 1966, 1816-1820.									
	Rote Liste, 1997									
				_ _						
EXAMINER				DATE CONS	SIDERED					
EXAMINER: Ini	tial if citation considered, whether or	not citation is in con-	formance with MPEP § 609	; Draw line thro	ough citation if r	not in confo	rmance			
and not conside	red. Include copy of this form with n	ex communication to	one applicant.							

Sheet 4 of 4

Form PTO-1449							Docket Number 69053	Application Number 09/595,218						
INF	ORN	IATIO	ON E	DISCLO APPLIC	SURE	E CITATION N	Applicant Biedermann et al.							
(Use several sheets if necessary)							Filing Date June 16, 2000	Group Art Unit						
						U. S. PATEN	T DOCUMENTS							
EXAMINER INITIAL		DO	CÙMI	ENT NUM	BER	DATE	NAME	CLASS	SUB CLASS	FILING IF AF	G DATE PROP.			
										·				
									<u> </u>					
						FOREIGN PAT	ENT DOCUMENTS							
	DOCUMENT NUMBER DATE						COUNTRY	CLASS	SUB CLASS	Tran Yes	slation No			
	WC	95/	105	515		4/20/95			<u> </u>					
	WC	95/	105	514		4/20/95	·		<u> </u>					
	WO93/14113 7/2					7/22/93								
	WO91/15485 10/17/91													
	WC	91/	154	484		10/17/91								
	WC	89/	074	443		8/24/89								
				-										
	<u> </u>								 	 				
	_		-											
	<u> </u>			ОТІ	HER [OCUMENTS (Inclu	ding Author, Title, Date, Pertinent	Pages, Etc.)						
										 	:			
											<u> </u>			
	_													
EVANINED		-				<u> </u>		DATE	CONSIDER	ED				
EXAMINER														
EXAMINER:	Initia sidere	al if cita d. Inc	ation d	considere	d, whe	ther or not citation is in or with next communication	onformance with MPEP § 609; Drain to the applicant.	aw line through	citation if n	ot in con	iormanc			

11